

1	MEV----	CYQL	PVLP	LD	RP	VP	QHV	L	SR	GA	IS	PS	SS	SS	SA	LF	GC	PN	PR	QL	SQ	h7A1.pro		
1	MGIT	LIN	CL	AL	---	---	VL	IK	WIT	---	---	---	---	---	---	---	---	---	---	---	SK	h7A2.pro		
1	MGIT	LIN	CL	AL	---	---	VL	IK	WIT	---	---	---	---	---	---	---	---	---	---	---	SK	mou7A2.pro		
1	M	---	---	---	---	---	C	---	---	---	---	---	---	---	---	---	---	---	---	---	---	rat7A.pro		
47	RR	GA	IS	YD	SS	Q	T	AL	Y	IR	ML	G	D	V	R	S	R	AG	F	S	E	R	R	G
21	RR	GA	IS	YD	SS	Q	T	AL	Y	IR	ML	G	D	V	R	S	R	AG	F	S	E	R	R	G
21	RR	GA	IS	YD	SS	Q	T	AL	Y	IR	ML	G	D	V	R	S	R	AG	F	S	E	R	R	G
3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
97	SE	IE	V	S	V	S	A	R	N	I	R	R	L	S	F	Q	R	Y	L	R	S	S	R	P
71	SE	IE	V	S	V	S	A	R	N	I	R	R	L	S	F	Q	R	Y	L	R	S	S	R	P
71	S	D	IE	A	S	V	S	A	R	N	I	R	R	L	S	F	Q	R	Y	L	R	S	S	R
43	SE	IE	A	S	V	S	A	R	N	I	R	R	L	S	F	Q	R	Y	L	R	S	S	R	P
147	M	L	E	K	V	G	N	W	N	F	D	I	P	L	D	R	L	T	G	N	S	L	V	S
121	M	L	E	K	V	G	N	W	N	F	D	I	P	L	D	R	L	T	G	N	S	L	V	S
121	M	L	E	K	V	G	N	W	N	F	D	I	P	L	D	R	L	T	G	N	S	L	V	S
93	M	L	E	K	V	G	N	W	N	F	D	I	P	L	D	R	L	T	G	N	S	L	V	S
137	F	L	V	M	I	Q	E	D	Y	H	S	Q	N	P	Y	H	N	A	V	H	A	A	D	V
171	F	L	V	M	I	Q	E	D	Y	H	S	Q	N	P	Y	H	N	A	V	H	A	A	D	V
171	F	L	V	M	I	Q	E	D	Y	H	S	Q	N	P	Y	H	N	A	V	H	A	A	D	V
143	F	L	V	M	I	Q	E	D	Y	H	S	Q	N	P	Y	H	N	A	V	H	A	A	D	V

FIGURE 1

247	I A A A T H D L D H P G V N Q P F L I K T N H Y L A T L Y K N T S V L E N H H W R S A V G L L R S	h7A1.pro
221	I A A A T H D L D H P G V N Q P F L I K T N H Y L A T L Y K N T S V L E N H H W R S A V G L L R S	h7A2.pro
221	I A A A T H D L D H P G V N Q P F L I K T N H Y L A T L Y K N T S V L E N H H W R S A V G L L R S	mon7A2.pro
193	I A A A T H D L D H P G V N Q P F L I K T N H Y L A T L Y K N T S V L E N H H W R S A V G L L R S	rat7a.pro
227	G L F S H L P L E S R Q Q M E T Q I G A L I L A T D I S R Q N E Y L S L P R S H L D R G D L C L E D	h7A1.pro
271	G L F S H L P L E S R Q Q M E T Q I G A L I L A T D I S R Q N E Y L S L P R S H L D R G D L C L E D	h7A2.pro
271	G L F S H L P L E S R Q Q M E A Q I G A L I L A T D I S R Q N E Y L S L P R S H L D K G D L H L D	mon7A2.pro
243	G L F S H L P L E S R H E M E A Q I G A L I L A T D I S R Q N E Y L S L P R S H L D K G D L H L D	rat7a.pro
347	T R R R H L V L Q M A L K C A D I C N P C R T W E L S K Q W S E K V T E E F F H Q G D I E K K Y H L	h7A1.pro
321	T R R R H L V L Q M A L K C A D I C N P C R T W E L S K Q W S E K V T E E F F H Q G D I E K K Y H L	h7A2.pro
321	G R R R H L V L Q M A L K C A D I C N P C R N W E L S K Q W S E K V T E E F F H Q G D I E K K Y H L	mon7A2.pro
293	G R R R H L V L Q M A L K C A D I C N P C R N W E L S K Q W S E K V T E E F F H Q G D I E K K Y H L	rat7a.pro
397	G V S P L C D R H T E S I A N I Q I G F M T Y L V E P L F T E W A R P S N T R L S Q T M L G H V G L	h7A1.pro
371	G V S P L C D R H T E S I A N I Q I G F M T Y L V E P L F T E W A R P S N T R L S Q T M L G H V G L	h7A2.pro
371	G V S P L C D R Q T E S I A N I Q I G F M T Y L V E P L F T E W A R P S A T R L S Q T M L G H V G L	mon7A2.pro
343	G V S P L C D R Q T E S I A N I Q I G F M T Y L Q E P L F T E W A R P S D T R L S Q T M L G H V G L	rat7a.pro
447	N K A S W K G L Q R E Q S S E D T D A A F E L N S Q L L P Q E N R L S	h7A1.pro
421	N K A S W K G L Q R E Q S S E D T D A A F E L N S Q L L P Q E N R L S	h7A2.pro
421	N K A S W K G L Q R Q Q P S S E D A N A A F E L N S Q L L T Q E N R L S	mon7A2.pro
393	N K A S W K G L Q R Q Q P S S E D A S A A F E L N S Q L L T Q E N R L S	rat7a.pro

FIGURE 1 (CONTINUED)

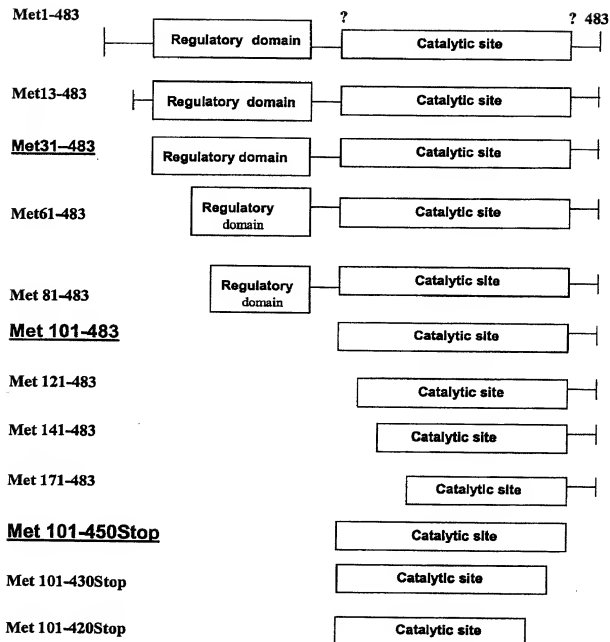
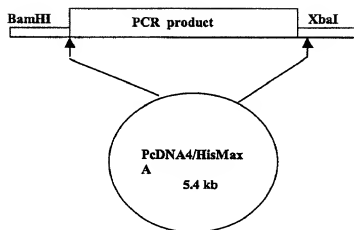


FIGURE 2

**FIGURE 3**

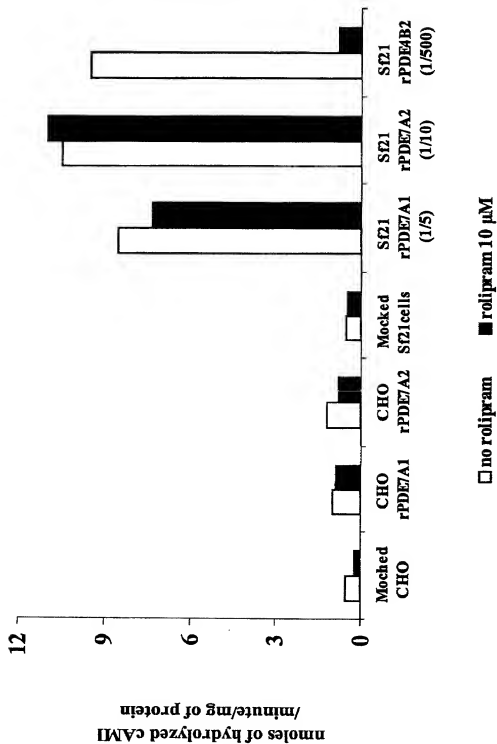


FIGURE 4

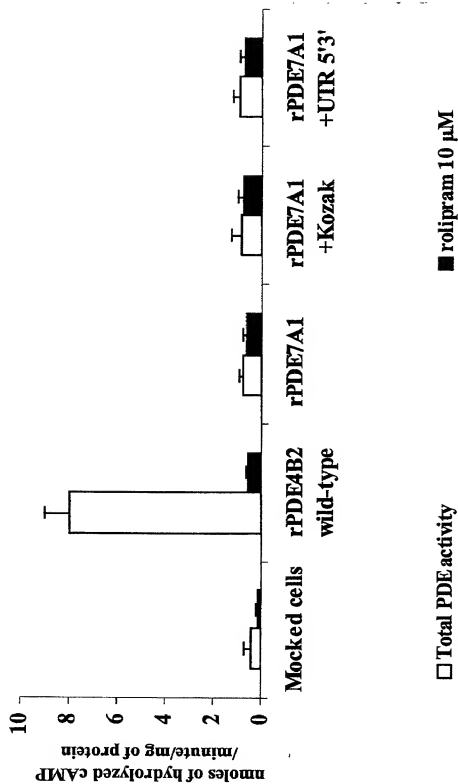


FIGURE 5

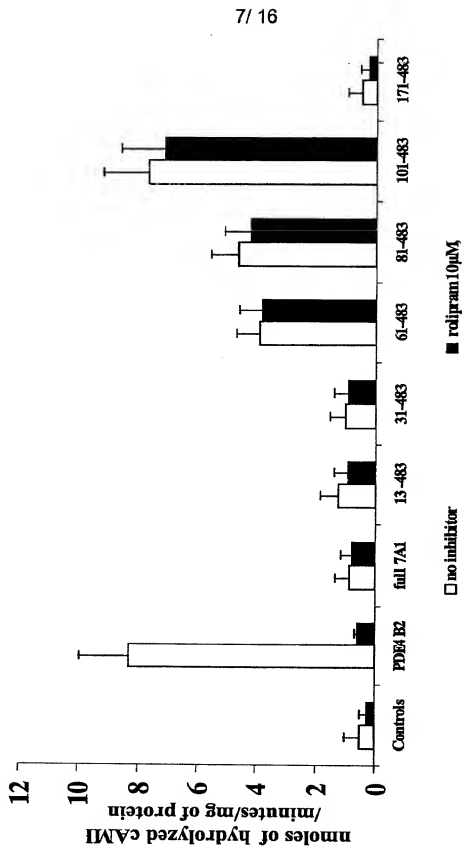


FIGURE 6



FIGURE 7

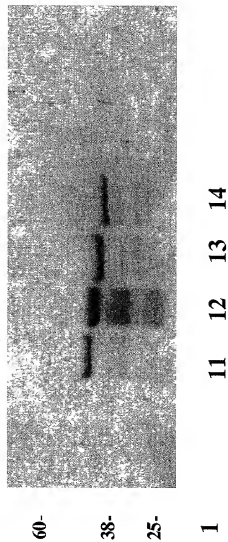
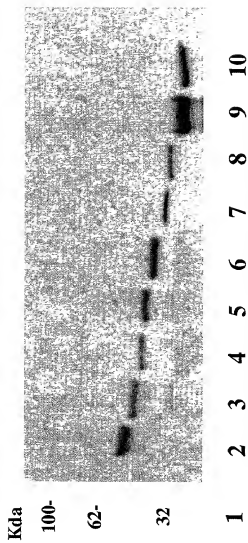




coding nucleotides are in upper case, intronic sequence in lower case, *EcoRI* site is in *italics*

FIGURE 8

100260-1029960



**B**

FIGURE 9

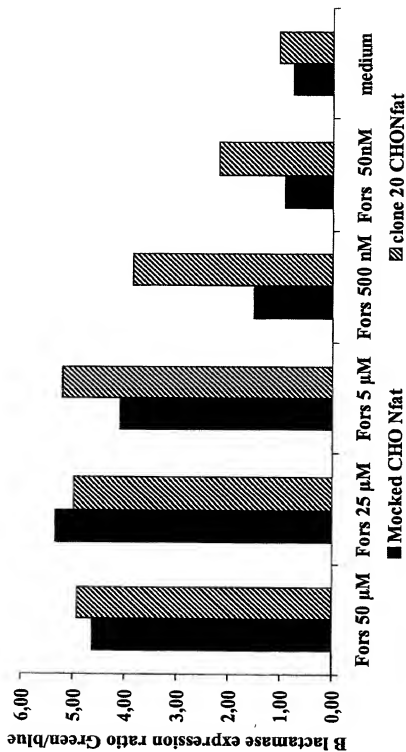


FIGURE 10

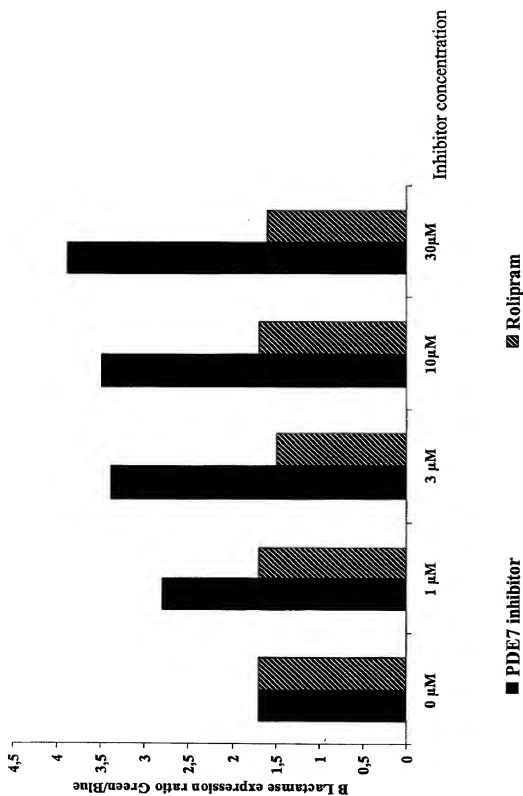


FIGURE 11

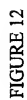
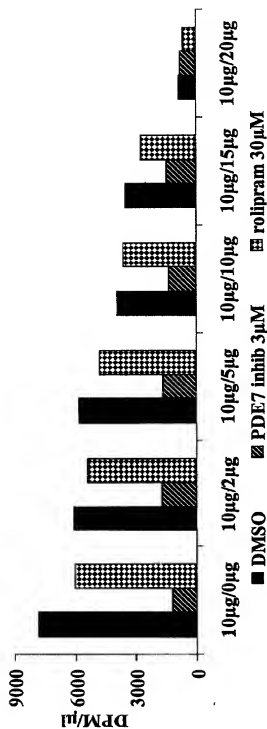


FIGURE 12



Quantity of the amino acid fragment 101-482 of the human PDE7A1 over quantity of the amino acid fragment 1-101 of the human PDE7A1

FIGURE 13



FIGURE 14

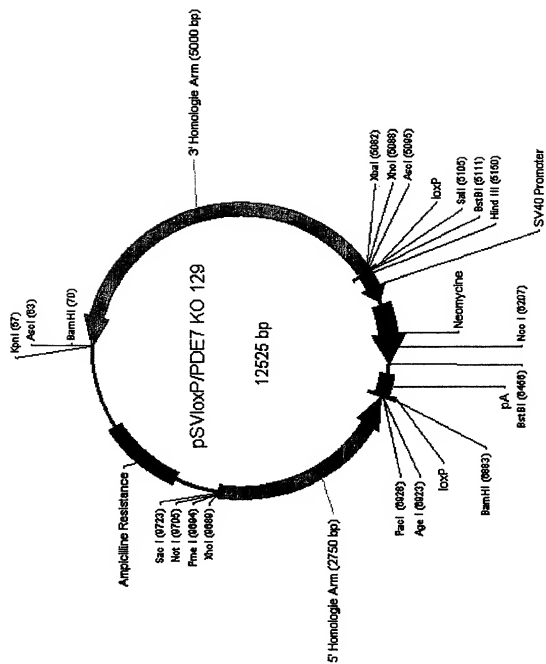


FIGURE 15